



CDF Operations Report

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All Experimenters' Meeting



Store Summary (8/02-8/09)

Store	Start Date	Duration (hours)	Inst Lum Initial <small>e30 cm-2 s-1</small>	Int. Lum Delivered nb-1	Live Lum nb-1	Tevatron Terminate
3699	8/02	24.2	70.7	2,604	2,319 89%	OK
3711	8/05	21.1	46.6 ⁺	1,787	1,456 82%	OK*
3715	8/07	37.9	60.4	2,958	2,374 80%	OK
3717	8/09		81.5	>2,200	In progress...	
Total 3699-3715		83.2		7,349	6,149 84%	
FY2004 (3033-3717)	11/22/03	3,486		320,081	253,141 79%	

+ Mixed Mode Shot

•Store 3701 quenched in shot setup



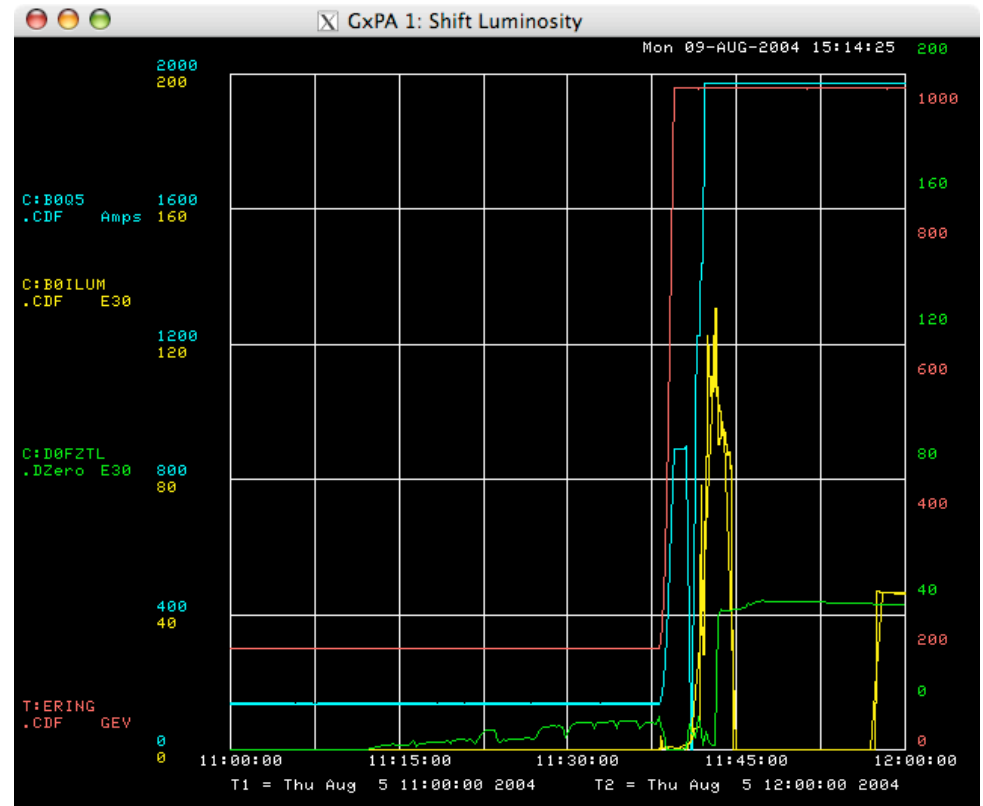
Store Notes

- **Store 3699 Monday (89% live)**
 - Proton losses went over 30K limit, requiring rescrape for about an hour
 - Lost silicon ladder with HV at standby (not beam related)
- **Access Tuesday**
 - 3 L00 crowbars fixed
 - Silicon ladder investigated; problem in detector
 - XTRP, Pulsar, active splitter, trigger table tests till next shot
- **Store 3711 Thursday (82% live)**
 - CLC HV on and zero bias running during shot setup until scraping
- **Store 3715 Saturday (80% live)**
 - Long store (37.9 hours) with low lum at end used for trigger tests with beam
 - Test of "final" trigger table with FPS (fractional prescales) and UPS (über prescales), used in current shot
 - More trigger tests after shot: XFT and isolist (bad card swapped out)



CDF STATUS

- Current trigger table has high DAQ deadtime at initial luminosities over $100E30$ but deadtime less than 5% integrated over store. On the other hand, trading off some deadtime ($\sim 5\%$) for writing more events.
- Burning more beam for understanding trigger issues at higher luminosities after shutdown.
- CLC study raises more questions than it answers; experts scratching their heads





CDF Run IIa Detector

